

19971214.qrp v00_n939.qrs.971214

Date: Sun, 14 Dec 1997 19:03:10 EST
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 939

QRP-L Digest 939

Topics covered in this issue include:

- 1) [32705] Ade Weiss' Column dates?
by Jim Lowman <jmlowman@ix.netcom.com>
- 2) [32706] Re: FS: RS DSP 40
by Jeff Grudin <grudin@pacific.vdbs.com>
- 3) [32707] Re: FOR SALE
by "Marion" <ki5ib@ebicom.net>
- 4) [32708] SNEAKY FOX (KB7MBI)
by "Earl W. Murphy" <aa385@gpfn.sk.ca>
- 5) [32709] ARRL 10m contest
by Joel Malman <malman@BBN.COM>
- 6) [32710] Re: Antenna Question (sort of long)
by Steven Weber <kd1jv@moose.ncia.net>
- 7) [32711] SOLD
by Gary Evans <gevans@lightspeed.net>
- 8) [32712] N/T+ Foxhunt of 14 DEC 0000-0100 UTC:
by ARDUJENSKI <ARDUJENSKI@aol.com>
- 9) [32713] Re: FOX Pile-Ups
by Chuck Carpenter <w5usj@webwide.net>
- 10) [32714] fox hunts
by Roger Braker <msebrakr@telepath.com>
- 11) [32715] Re: KB7MBI WKND N/T+FOX
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 12) [32716] QRP-L SS SCORES (final)
by "Rich Dailey, KA8OKH" <ka8okh@som-uky.campus.mci.net>
- 13) [32717] QRP-L CQWW CW SCORES (1)
by "Rich Dailey, KA8OKH" <ka8okh@som-uky.campus.mci.net>
- 14) [32718] N/T+ Foxhunt of 14 DEC 0000-0100 UTC:
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 15) [32719] AEA DX-Handy for sale
by David Adams <adamsclan@netgate.net>
- 16) [32720] I'm back! Alive! Most parts working...
by jdenison@morelr.com (JOEL DENISON)
- 17) [32721] Pixie II on 10m?
by "L. Jeffrey Hetherington" <jhetheri@NiagaraNet.npiec.on.ca>
- 18) [32722] Snowshoe Run
by ki7mn@dancris.com
- 19) [32723] Ade Weiss - QST 5-'76 QRP HB amp design 1-10 watts, etc.

- by "Bruce Barley" <lbbbarley@feist.com>
- 20) [32724] WTB: Power supply for Ten Tec Scout
by Paul Helbert <phelbert@rica.net>
- 21) [32725] SNOWSHOE RUN
by k1oj@swbell.net
- 22) [32726] Re: I'm back! Alive! Most parts working...
by "Steve Hurst" <shurst@magiclink.com>
- 23) [32727] NE has QRPers!
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 24) [32728] QRP States Needed
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 25) [32729] Snow shoe Run K0FRP
by AlK0FRP <AlK0FRP@aol.com>
- 26) [32730] TS-50 ALC power reduction???
by mwattcpa@earthlink.net (Marty Watt)
- 27) [32731] Re: Rotatable Dipoles (Cushcraft)
by "George T. Baker" <w5yr@swbell.net>
- 28) [32732] Snow shoe Run
by Joel Malman <malman@BBN.COM>
- 29) [32733] Re: FS Bug
by "david's" <elim@ime.net>
- 30) [32734] CellPhone 911
by SEAB&SHARON LYON <SSLYON@worldnet.att.net>
- 31) [32735] GQ40 Pictures
by "John L. Sielke" <n4js@pobox.com>
- 32) [32736] 38s: TICK Keyer Parts
by n3fel@juno.com (Howard D Rubin)
- 33) [32737] Re: Rotatable Dipoles
by K5BDZ <K5BDZ@aol.com>
- 34) [32738] Re: Rotatable Dipoles
by Vic Rosenthal <rakefet@rakefet.com>
- 35) [32739] Re: 38s: TICK Keyer Parts
by wb8ygg@juno.com (Bradley S. Mitchell)
- 36) [32740] Snowshoe Run Log
by Roger Hightower <n7kt@earthlink.net>
- 37) [32741] GAP verticals
by N4JS <n4js@pobox.com>
- 38) [32742] Intelligent Radio Transceiver
by Blair Heinzlmeir <blairh@AGT.NET>
- 39) [32743] Re: Snow shoe Run
by Ken LaRose <kenlar@csolve.net>
- 40) [32744] Output levels - volts peak to peak and dbm
by Stanley Wilson <microres@crl.com>
- 41) [32745] Re: FOX N/T Monday
by dhlaute@juno.com (David H. Lauten)
- 42) [32746] Base for NorCal Paddle
by Derek Brown <DBrown@RFMD.com>
- 43) [32747] Re: 38s: TICK Keyer Parts

by Hal Maney <maney@ridgefield-ct.com>
44) [32748] "Matching"
by John Moriarity <k6qq@SOCAL.WANet.com>
45) [32749] Re: Output levels - volts peak to peak and dbm
by Ed Tanton <n4xy@bellsouth.net>
46) [32750] Re: Output levels - volts peak to peak and dbm
by Ed Tanton <n4xy@bellsouth.net>
47) [32751] SNOSHOE RUN
by "Owen 'OJ' Quarles" <k1oj@swbell.net>
48) [32752] GAP verticals
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
49) [32753] Re: GQ40 Pictures
by Paul Harden <pharden@aoc.nrao.edu>
50) [32754] Allen Wrench - NorCal Paddles
by Craig LaBarge <LaBarge_C@compuserve.com>
51) [32755] Re: Kite Antenna
by w4bws@juno.com (Donald E Sanders)
52) [32756] The Great Colorado Snowshoe Run
by "Marshall Emm" <mgemm@mtechnologies.com>
53) [32757] Re: GAP verticals
by w4bws@juno.com (Donald E Sanders)
54) [32758] Brass Racer, Vibrokeyer 4 sale
by jmori@labyrinth.net (joyce mori)
55) [32759] No Shoe Non Run de AL7FS
by "Jim, Nancy, Juliann, Issei" <larsennc@alaska.net>
56) [32760] RE: Allen Wrench - NorCal Paddles
by Steve Miller <kg7pv@teleport.com>
57) [32761] Re: I'm back! Alive! Most parts working...
by Chris Cartwright <ccart@dns.vidtel.com>
58) [32762] SST problem
by Chris Cartwright <ccart@dns.vidtel.com>
59) [32763] Re: NW8020 circuit mod to improve VFO stability
by "Watson R Gabriel Jr" <wgabriel@duke-energy.com>

Date: Sat, 13 Dec 1997 14:35:23 -0800
From: Jim Lowman <jmlowman@ix.netcom.com>
To: qrp-1@Lehigh.EDU
Subject: [32705] Ade Weiss' Column dates?
Message-ID: <3.0.32.19971213143520.0069c224@popd.netcruiser>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

In looking through some old CQ Magazines from 1973-75, for a DXpedition a couple of us made to KA1-land, I came across the QRP column by Ade Weiss. The November, 1973 edition, I believe, was his first.

QRP'ers do it with less energy (but lot's of enthusiasm)!

Date: Sat, 13 Dec 1997 18:58:49 -0600
From: "Marion" <ki5ib@ebicom.net>
To: <gevans@lightspeed.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [32707] Re: FOR SALE
Message-ID: <199712140106.TAA18769@Edison.EBICom.Net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Gary, let me know if you still have the 38Spec. I will be glad to put it to good use. Can call you or can send MO. Email ki5ib@ebicom.net
Mark (KI5IB) Tnx..

> From: Gary Evans <gevans@lightspeed.net>

Date: Sat, 13 Dec 1997 19:18:56 -0600 (CST)
From: "Earl W. Murphy" <aa385@gpfn.sk.ca>
To: qrp-1@Lehigh.EDU
Subject: [32708] SNEAKY FOX (KB7MBI)
Message-ID: <Pine.SOL.3.91.971213190527.25501B-100000@GPFN1.GPFN.SK.CA>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Nice job tonight Alan...Thought we couldn't find you, after giving us all those frequencies? I couldn't believe the propagation into Sask this evening, when I managed to catch you, you were 339, and as soon as we finished you went up to 599 and slowly dropped to 579 the rest of the hour, WOW we haven't heard that kind of signal for a long stretch... Heard Doc (K0EVX), N0TU, and N0NID just as strong WOW!!! Good Luck again tomorrow Alan....72/73....Earl (VE5WF)

Date: Sat, 13 Dec 97 20:33:14 EST

From: Joel Malman <malman@BBN.COM>
To: qrp-1@Lehigh.EDU
Subject: [32709] ARRL 10m contest
Message-ID: <199712140133.UAA14646@nss4.cc.Lehigh.EDU>

Folks,

I have been working the ARRL 10m contest as single-op, QRP (3 watts, dipole), CW only. For the first half of the contest, things were pretty slow here on the East Coast I was beginning to suspect that the contest was going to be a bust on Saturday because there were no openings and pretty little activity.

I could work from MA out to about 800 miles. Sort of W9 and just over the line to W0, and South to NC and was about it. Naturally, a good time to work on multipliers!

But everything changed between 1700-2030z (12/13/97z). 10m was open all across the country. I was working all the West (WA, OR, MT, AZ, NM, UT) I heard. And I never knew there was so many W0's in Colorado! Heard a lot of CA stations, but never did work one. There was many LU, PY and CX stations, some of them with QSO numbers of about 1000! There were also some neat, small, pile-ups for the VE6's on the band! I did not hear one Europe station. A few C0 buzz stations, and many KP4's around.

I suspect the small 'DX' window, 1700-2030z, is because that is the timeframe the Sun has to get the atmosphere charged-up over a wide enough area so that there is an 'opening'.

I did hear and work some of the list members. (K0FRP comes to mind, Tnx Al for the Colorado Q).

Sunday is the last day of the contest, end time is 2400z (7pm EST). Exchange is RST + US State or Province.

/joel wa1qvm wa1qvm@bbn.com (QTH: Concord, Massachusetts)

Date: Sat, 13 Dec 1997 20:29:11
From: Steven Weber <kd1jv@moose.ncia.net>
To: foxes@theriver.com
Cc: qrp-1@Lehigh.EDU
Subject: [32710] Re: Antenna Question (sort of long)
Message-ID: <3.0.1.16.19971213202911.2c8f02d0@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Andy,

I believe what you're seeing as an apparent increase in power out with SWR is due to one or two factors.

1, If the reflected signal happened to be in phase with the output signal, it would add and show as an apparent increase in the output power.

2. There might be a better match between your output transistor and the antenna at something other than 50 ohms. (apparently something a bit higher than 50 ohms)

Or it could be a combination of both. In either case, I would not lose any sleep over it and JGOTA. (Just get on the air) Jay-GOT-Ahhh, sounds like a new word to me... (:-)

72,

Steve, KD1JV....In the White Mountains of New Hampshire

"Melt Solder"

Date: Sat, 13 Dec 1997 17:49:15 -0800
From: Gary Evans <gevans@lightspeed.net>
To: qrp-1@Lehigh.EDU
Subject: [32711] SOLD
Message-ID: <34933B1A.6D8F7311@lightspeed.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The following items I had previously listed for sale have been sold:

38 Special

Rainbow Tuner

St. Louis Tuner

One of the Radio Shack DSP units.

I have had several requests for the Heathkit HWA-7-1, but would like it to go with the HW-8. If any sales fall through, I'll contact others who have expressed an interest. Thanks...Gary AA6R

Date: Sat, 13 Dec 1997 20:50:51 EST

From: ARDUJENSKI <ARDUJENSKI@aol.com>
To: qrp-1@Lehigh.EDU
Subject: [32712] N/T+ Foxhunt of 14 DEC 0000-0100 UTC:
Message-ID: <22fa7ea5.34933bac@aol.com>
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

A lean and mean pack tonite! Thanks for coming out.

N/T+ Foxhunt of 14 DEC 0000-0100 UTC:

TIME	STATION	NAME	STATE	RST(S)/(MY)	QRP-L	PWR
0004	K0EVZ	DOC	MN	559/569		5W
0007	N0KW	JOHN	IL	559/559		5W
0009	KK7GW	DAVID	WA	559/559		1350 5W
0012	VE5FW	EARL	SK	559/339		5W
0022	N0NI	SCOTT	NE	559/579	1302	
0032	WA1QVM	JOEL	MA	339/559		4W
0037	K0EVZ	DOC	MN	229/559		1W
0050	N4ROA	DAN	VA	339/449		5W

Station: KB7MBI
FREQ:..... 7.14
RIG..... EMTECH NW8020 (40M) and filter
PWR..... 5W
ANT:..... DOUBLE-ZEPP (N-S)up 50 ft

Date: Sat, 13 Dec 1997 20:20:46 -0600
From: Chuck Carpenter <w5usj@webwide.net>
To: qrp-1@Lehigh.EDU
Subject: [32713] Re: FOX Pile-Ups
Message-ID: <3.0.1.32.19971213202046.00693838@mail.webwide.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

W01rw@kktv.com wrote:

> The FOX hunting has really become popular but more and more of the
> Hunts
> are turning in to big pile-ups.
>

I did my first FOX hunt the other night and had a chance to re-learn some of the tricks I'd used years ago with DX pileups. Someone else commented on their use also.

Isn't that some of the purpose, to learn operating technique? Otherwise, you would wind up with a structured net with the FOX as net control. Not much of a hunt there and a whole different category of operating technique.

The hunt changes each time and will change even more as the sunspot cycle progresses. 40 meters is a good band because more ops have equipment. Perhaps some other bands would add an additional element to the hunt later on.
Chuck Carpenter
Point, Rains Co., TX 75472

Date: Sat, 13 Dec 1997 22:13:03
From: Roger Braker <msebrakr@telepath.com>
To: qrp-l@Lehigh.EDU
Subject: [32714] fox hunts
Message-ID: <3.0.1.16.19971213221303.37975cfc@telepath.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Guys,
Could someone please explain all this fox hunt stuff. I always thought that fox were on VHF with dirrectionall antennas and the only one who transmitts was the fox. TNX.

73,
Arnold KD5CKH

Date: Sat, 13 Dec 1997 22:24:59 -0500
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: ARDUJENSKI <ARDUJENSKI@aol.com>, "Doc W.D. Lindsey/K0EVZ" <70511.3041@compuserve.com>, QRP-L Discussion Group <QRP-L@Lehigh.EDU>
Subject: [32715] Re: KB7MBI WKND N/T+FOX
Message-ID: <199712132227_MC2-2BDE-B12E@compuserve.com>

MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

Alan:

Well it was a great time tonight. You were really doing a fine job. Your signal built through the session. Your final RST was about 579. But you were never less than 559 here.

I was using the Icom 751a at 5 watts to the TNT/2 the first time. Later came back with the TenTec Omni V at just under one watt (measured by OHR WM-1) to the GAP Titan DX vertical dipole. Could not hear any difference between the two antennas, even when switching quickly back and forth.

Will be looking for you again tomorrow evening. Keep up the really good work. BTW here's an operating suggestion--you could improve your FOX hunts if you sent "BK" rather than "K".

Most hunters probably expect to hear BK to signal that you have sent your info and are ready for the hunter to send his/hers (yep, there is at least one XYL!). This is only a suggestion!

Good luck and I hope to work you again tomorrow night.

72/73,

--Doc/K0EVZ qrp-l 861 norcal 2050 cqz 414 ARS 311 FISTS 3868 mn-qrp 19
nj-qrp 69 ak/qrp 139 AR QRP 73 ARCI 9398 ARRL WAS 48/40
DXCC 73/44 <>< FOX Total 12/11/97 17 of 21. Was the FOX 11/25/97.

Icom 751A Omni V Corsair I Sierra Argo 515 Norcal 40a SW-40 49er
Mercury Paddles Emtech ZM-1 MFJ 259 MFJ 941D GAP TNT/2 Windom
SLV/W6MMA G5RV 599ZX Auttek QF-1 RS DSP-40 **Grid Square EN34**

"Things should be as simple as possible, but no simpler"--A. Einstein

Date: Sun, 14 Dec 1997 03:26:54 -0500
From: "Rich Dailey, KA8OKH" <ka8okh@som-uky.campus.mci.net>
To: qrp-l@Lehigh.EDU
Subject: [32716] QRP-L SS SCORES (final)
Message-ID: <3.0.16.19971214025022.084740d8@som-uky.campus.mci.net>
Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

QRP-L - ARRL SWEEPSTAKES SSB SCORES

call	score	qso	mlt

W5JAY	32,944	232	71
NQ2RP	32,154	233	69
NQ7X	26,980	190	71
WZ2T	26,840	220	61
W9DZ	19,140	165	58
VE5QRP	15,048	132	57
K2SJB	14,536	158	46
N2TO	14,100	141	50
KI0II	12,168	117	52
KB2QQM	12,040	140	43
WA1QVM	11,954	139	43
WB3AAL	7,380	90	41
KI0G	4,704	84	28
AA2VK	588	21	14
N9RLA	80	8	5
N4EUK	70	7	5
K50I	18	3	3

KC5NGS

Total number of scores reported - 18.

These are the scores as reported to me from the Internet QRP Club members who operated in the ARRL SSB Sweepstakes. Some pretty good scores up there. Sri so late getting this final posting out... 'tis the season, and all that.

gl in the contest...Rich

Date: Sun, 14 Dec 1997 03:27:00 -0500
From: "Rich Dailey, KA8OKH" <ka8okh@som-uky.campus.mci.net>
To: qrp-l@Lehigh.EDU
Subject: [32717] QRP-L CQWW CW SCORES (1)
Message-ID: <3.0.16.19971214032239.0847375a@som-uky.campus.mci.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

QRP-L - CQWW CW SCORES

call	score	qso	mlt
N7IR	401,108	496	298
W0CQC	290,273	393	281
VE7CFD	169,330	678	118
WZ2T	77,979	205	139
WP4JXD	71,610	494	70
AA1MI	45,026	479	94
NQ7X	22,339	251	89
K50I	11,880	69	66

KG5U 350

* indicates multi op.

If you're a qrp-l member and operated qrp in the CQ Worldwide CW contest, send me a note with your claimed score, number of qso's and mults. Please indicate whether or not it was multi-op also.

IMPORTANT:

In the Subject: line, put QRPLWW, followed by your call, so my mail filter will sort it out for me.

...Rich

Rich Dailey, KA8OKH <ka8okh@som-uky.campus.mci.net>
The KA8OKH / KB4NPI Web - <http://www.qsl.net/ka8okh>

Date: Sat, 13 Dec 1997 22:25:04 -0500
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: "INTERNET:ARUJENSKI@aol.com" <ARUJENSKI@aol.com>, QRP-L Discussion Group <QRP-L@Lehigh.EDU>, "Doc W.D. Lindsey/K0EVZ" <70511.3041@compuserve.com>
Subject: [32718] N/T+ Foxhunt of 14 DEC 0000-0100 UTC:
Message-ID: <199712132227_MC2-2BDE-B12F@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

Alan:

Well, guess what! Just worked my first Nebraska QRP guy. He is Scott N0NID from Broken Bow, NE. We had to do it on 80, though, as 40 was long for this distance.

But here is even better news. He snagged *you* tonight in the FOXhunt for *his* first-ever FOX! For both of us it has been a great evening. BTW, noted that you have his call as N0NI. Need to add the final "D".

Thanks again and I will be hunting for you again tomorrow evening!

72/73,

--Doc/K0EVZ qrp-1 861 norcal 2050 cqc 414 ARS 311 FISTS 3868 mn-qrp 19
nj-qrp 69 ak/qrp 139 AR QRP 73 ARCI 9398 ARRL WAS 48/40
DXCC 73/44 <>< FOX Total 12/11/97 17 of 21. Was the FOX 11/25/97.

Icom 751A Omni V Corsair I Sierra Argo 515 Norcal 40a SW-40 49er
Mercury Paddles Emtech ZM-1 MFJ 259 MFJ 941D GAP TNT/2 Windom
SLV/W6MMA G5RV 599ZX Autek QF-1 RS DSP-40 **Grid Square EN34**

"Things should be as simple as possible, but no simpler"--A. Einstein

Date: Sat, 13 Dec 1997 20:34:24 -0800
From: David Adams <adamsclan@netgate.net>
To: QRP <qrp-1@Lehigh.EDU>
Subject: [32719] AEA DX-Handy for sale
Message-ID: <349361CF.AD767B04@netgate.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

For Sale:

AEA DX-Handy for 10m. This is one of those grey handhelds by mizuho, marketed by AEA. Comes with standard CW and SSB crystals as well as the 10m telescopic antenna and the AEA-supplied manual-xerox. Works well, looks fine....those in the bay area can come and see it. Best offer.

73 de dave, n9uxu

--

David J Adams, N9UXU adamsclan@netgate.net

Amateur Radio, Flow Cytometry, Digital Photography and Parrot enthusiast

<http://u1.netgate.net/~adamsclan>

Date: Sat, 13 Dec 1997 22:30:12 -0600 (CST)
From: jdenison@morelr.com (JOEL DENISON)
To: qrp-l@Lehigh.EDU
Subject: [32720] I'm back! Alive! Most parts working...
Message-ID: <199712140430.WAA28717@m20.morelr.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Thanks to all who sent word or thought of sending something, and for those who feel left out, you can always fedex some qrp projects to be built. If there is anyone else dealing with any guilt because they can't find their niche in this, see a shrink. :)

I survived the knifing by the surgeon who performed a minibypass (only opened up about 5 inches of the chest to do it). As long as I don't want to use my left arm in the next few weeks, it was 100% successful.

For those who said it wouldn't hurt, it didn't; for those who said it would hurt, it did; but it didn't hurt as much as I had feared, and hopefully has done the job.

FYI--I implanted a 100 miliwatt 40 meter beacon on 7.0333 next to my surgeon's pacemaker. Signal reports are welcome. Beacon sending out qrp billing every three minutes or until his pacemaker fails.

I wired up the best looking nurse I could find using miniature solar panels. Come this summer on 14.062 it should start sending cutie every 3 minutes--in Morse Code, of course.

Once again, thanks to all who were concerned, and as you can see, they didn't mess with my mind. So my posting should still be interesting.

God bless,
Joel WA5CVM and Grace

God Bless
Joel

WA5CVM

Joel Denison
PO BOX 542
Strong, Maine 04983
jdenison@morelr.com

Gentle Lady (RC Sail Plane)(049 engine - start)
80 mtr dipole up 50ft
QRP ARCI 4066 NEW ENGLAND QRP 476 QRP-L 765
AK/QRP 109

Date: Sat, 13 Dec 1997 23:56:01 -0500 (EST)
From: "L. Jeffrey Hetherington" <jhetheri@NiagaraNet.npiec.on.ca>
To: Multiple Recipients of List <qrp-l@Lehigh.EDU>
Subject: [32721] Pixie II on 10m?
Message-ID: <Pine.A41.3.96.971213235515.32734A-1000000@NiagaraNet.npiec.on.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi all. I guess I really need to get a bigger technical ham radio library built up, but I have another question for the gurus of the list ...

I understand that the Pixie II can be put on different bands. I even have the values for the inductor for 40m or 80m. Can this be put on 10 metres? What would these values be? And more importantly, how are those values determined?

Thanx for any advice. You guys keep me learning everyday.

73/72

Jeff - VA3JFF
<http://www.geocities.com/Colosseum/2572/QRP.html>

=====
L. JEFFREY HETHERINGTON
Niagara Falls, Ontario, Canada
E-mail: L.Jeffrey.Hetherington@InternetAddress.com

Date: Sat, 13 Dec 1997 22:10:23 -0700 (MST)
From: ki7mn@dancris.com
To: qrp-l@Lehigh.EDU
Subject: [32722] Snowshoe Run
Message-ID: <199712140510.WAA03915@dancris.com>
Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Hey, this was fun! Only got 14 Q's, and didn't hear a soul except OJ during the first 45 minutes, and couldn't get back to him. Finally got rolling, with a pipeline into TX.

Did work NY (W2G0) and MD (W3DP), so I'm happy. Also got Doc in MN.

Hope to catch a lot of you next Friday nite during the Christmas AZ SES.
72,73

Bob KI7MN Norcal 1228, QRP-L 271, ARCI 8918, CQC 274, AKQRP 30
<http://www.dancris.com/~ki7mn>

Date: Sat, 13 Dec 1997 11:27:43 -0600
From: "Bruce Barley" <lbbbarley@feist.com>
To: <jmlowman@ix.netcom.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [32723] Ade Weiss - QST 5-'76 QRP HB amp design 1-10 watts, etc.
Message-ID: <199712140528.XAA00897@wichita.fn.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Well, as I was browsing the May '76 QST (going to scan the Tuna-Tin 2 article into my web page.) I found a really nice article by Weiss (K8EEG) on HB design for a QRP single transistor output stage. The article focused on general design parameters in order to use what you already have on hand to build an amp ranging from 1.5 to a little over 10 watts. ref. Pg. 25-27. Schematics and design tables. Shucks... I may just go ahead and scan that one too. It's still 90 days till tornado season here in Kansas.

Might have time to gen up the Tuna-Tin 2, also...

Bruce KB0PZD qrp-1 #69
lbbbarley@feist.com

Date: Sat, 13 Dec 1997 12:29:40 -0500
From: Paul Helbert <phelbert@rica.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [32724] WTB: Power supply for Ten Tec Scout

Message-ID: <3492C604.8056554C@rica.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Gangue,

I have a friend who will be going to Grenada for a couple of weeks in February. He will borrow my Ten Tec Scout and tuner, but needs a power supply that runs off 240VAC 50 HZ. Any offers/ suggestions please e-mail directly to me and I'll foreword them as soon as I find his new email address.

TU,

Paul, Wv3j

Date: Sat, 13 Dec 1997 23:40:45 -0800
From: k1oj@swbell.net
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [32725] SNOWSHOE RUN
Message-ID: <34938D7D.5CCB@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Howdy from Texas Y'all..

Well that was a lot of fun. Used the vertical antenna tonite. That may have been a mistake. The QRN was s6 most of the evening. I had 68 Qs. I think the CO crew has a keeper here.....more later..
..0J

Date: Sat, 13 Dec 1997 23:01:43 -0700
From: "Steve Hurst" <shurst@magiclink.com>
To: <jdenison@morelr.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [32726] Re: I'm back! Alive! Most parts working...
Message-ID: <199712140559.AAA09292@nss4.cc.Lehigh.EDU>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Joel,

You could'nt have "wired up the best looking nurse" , cause she's me wife
!!! And she's here in Idaho with me !!! :-) But seriously, glad you are
doing better and lay off the butter !! :-)

73 to all , and to all a good night !!!

73,

Steve Hurst

KA7NOC (southern Idaho)

<http://www.magiclink.com/web/shurst>

shurst@magiclink.com

>

> I wired up the best looking nurse I could find using miniature
solar

> panels. Come this summer on 14.062 it should start sending cutie every 3
> minutes--in Morse Code, of course.

>

> God bless,

> Joel WA5CVM and Grace

>

> God Bless

> Joel

>

> WA5CVM

> Joel Denison

start) Gentle Lady (RC Sail Plane)(049 engine -

> PO BOX 542

80 mtr dipole up 50ft

> Strong, Maine 04983

QRP ARCI 4066 NEW ENGLAND QRP 476 QRP-L

765

> jdenison@morelr.com

AK/QRP 109

>

>

Date: Sun, 14 Dec 1997 00:57:26 -0500

From: "Wilford D. Lindsey" <70511.3041@compuserve.com>

To: QRP-L Discussion Group <QRP-L@Lehigh.EDU>, "Doc W.D. Lindsey/K0EVZ"
<70511.3041@compuserve.com>

Subject: [32727] NE has QRPers!

Message-ID: <199712140100_MC2-2BDE-5637@compuserve.com>

MIME-Version: 1.0

Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

Gang:

Been some scuttlebutt about state of Nebraska not actually having hams, let alone QRP guys. Hmmm... 8^)

Well, I can verify that there are at least *two* living/breathing QRPers! One is Dave K8BBM in Columbus, NE. He offered to have a sked QSO for my WAS. Hope to work him one day.

But Scott N0NID went into the log *tonight*! We hoped for 40 metres, but the band was long for us. Jumped to 80, and enjoyed a lengthy 2-way QRP QSO. BTW, Scott was also very happy to snag his first-ever FOX tonight. Way to go, Scott!

72/73,

--Doc/K0EVZ qrp-l 861 norcal 2050 cqc 414 ARS 311 FISTS 3868 mn-qrp 19
nj-qrp 69 ak/qrp 139 AR QRP 73 ARCI 9398 ARRL QRP WAS 44/42
DXCC 73/44 <>< FOX Total 12/11/97 17 of 21. Was the FOX 11/25/97.

Icom 751A Omni V Corsair I Sierra Argo 515 Norcal 40a SW-40 49er
Mercury Paddles Emtech ZM-1 MFJ 259 MFJ 941D GAP TNT/2 Windom
SLV/W6MMA G5RV 599ZX Autek QF-1 RS DSP-40 **Grid Square EN34**

"Things should be as simple as possible, but no simpler"--A. Einstein

Date: Sun, 14 Dec 1997 00:57:20 -0500
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: QRP-L Discussion Group <QRP-L@Lehigh.EDU>, "Doc W.D. Lindsey/K0EVZ" <70511.3041@compuserve.com>
Subject: [32728] QRP States Needed
Message-ID: <199712140100_MC2-2BDE-5636@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

Gang:

Well this has been a good week for QSLing WAS/QRP states. Got cards from

MT and KY...then *worked* NE just tonight. Yippee!

What made the week even more special was Chuck Adams K5F0. He was in Minneapolis for a conference, so six members of the MN/QRP Club joined him for dinner at Two Guys. It was a great evening for us. MN/QRP is only 13 months old, so it was great to celebrate our first anniversary with The Chuckster himself!

HELP..HELP..HELP!!--still need the following states to complete QRP/WAS = DE, KS, MS, NC, RI, SD, WV, WY. Does anyone have time to set up a sked? Have QSOed every state. But would like to make WAS with QRP. HELP!

Thanks one and all. And have a Happy Holiday season.

72/73,

--Doc/K0EVZ qrp-l 861 norcal 2050 cqc 414 ARS 311 FISTS 3868 mn-qrp 19
nj-qrp 69 ak/qrp 139 AR QRP 73 ARCI 9398 ARRL QRP WAS 44/42
DXCC 73/44 <>< FOX Total 12/11/97 17 of 21. Was the FOX 11/25/97.

Icom 751A Omni V Corsair I Sierra Argo 515 Norcal 40a SW-40 49er
Mercury Paddles Emtech ZM-1 MFJ 259 MFJ 941D GAP TNT/2 Windom
SLV/W6MMA G5RV 599ZX Auttek QF-1 RS DSP-40 **Grid Square EN34**

"Things should be as simple as possible, but no simpler"--A. Einstein

Date: Sun, 14 Dec 1997 01:15:11 EST
From: ALK0FRP <ALK0FRP@aol.com>
To: qrp-l@Lehigh.EDU
Subject: [32729] Snow shoe Run K0FRP
Message-ID: <c630b918.34937971@aol.com>
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

WOW

Out of 65 q's

Only 1 station that did not know what report to give amazing
The power of the Internet

K0FRP 65 q's 18 SPC's 29 grid squares

Worked about 9 twice and 4 three times.

Mow this is M class and worked only 3 M class worked many (s) single wire and

the rest v (vertical).

To bed we go after the contest within a contest still working 10m contest cw about 100q's slow and few openings that stay open. Had good runs into New England in early morn saturday.

Al K0FRP

Date: Sun, 14 Dec 1997 06:36:16 GMT
From: mwattcpa@earthlink.net (Marty Watt)
To: qrp-l@Lehigh.EDU
Subject: [32730] TS-50 ALC power reduction???
Message-ID: <34947942.44101001@mail.earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: quoted-printable

Is there a way to cut power (adjustable, hopefully) to a Kenwood TS-50 =
via the
ALC jack on the back of the rig? Saves going inside the cover, and makes=
the
'50 continually variable (hopefully) from nothing to 5W.

72 es 73 de=20
Marty, KM7W

=46ranklin, Tennessee e-mail: mwattcpa@earthlink.net
http://home.earthlink.net/~mwattcpa
"The Curmudgeon's Corner"
NorCal #2031 - ARCI #7514 - QRP-L #953 - AK/QRP #098 - Grid EM65nv

Date: Sun, 14 Dec 1997 00:53:45 -0600
From: "George T. Baker" <w5yr@swbell.net>
To: johnc@geekopolis.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [32731] Re: Rotatable Dipoles (Cushcraft)
Message-ID: <34938279.DB2516F3@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

John T. Croteau wrote:

> Anyone have any experience with any of the Cushcraft
> rotatable dipoles? My tallest tree here is 15 feet
> and I currently have an R7000 vertical on the roof.
>
> What I am thinking of doing is getting a D3W and D4
> and mounting them on a 10 foot mast on the roof and
> pointing them in a fixed direction. This should give
> me pretty good coverage on 7,14,18,21,24,28 MHz of
> horizontal unless these are junk dipoles.
>
> Any other thoughts or ideas would be greatly appreciated
> too.
>
> Thanks!
>
> 73,
> John

Try to rotate the dipoles if possible. I used a shortened (22 ft)
rotary dipole on 40 several years ago and found that the rejection off
the ends of the dipole was very useful in reducing QRM, etc. The main
lobe is very broad, but the end rejection is reasonably sharp.

--

73, George
Amateur Radio W5YR
AutoPOWER Systems
Fairview, TX

Date: Sun, 14 Dec 97 2:10:05 EST
From: Joel Malman <malman@BBN.COM>
To: qrp-1@Lehigh.EDU
Subject: [32732] Snow shoe Run
Message-ID: <199712140710.CAA118404@nss4.cc.Lehigh.EDU>

Folks,

By the sound of things, most everybody had more Snowshoe contacts than I
did. There was a lot of NON Snowshoe QRM on the band, and I never did hear

many Snowshoe testers (maybe the New England black whole syndrome).

I was only able to work 8 Snowshoe contacts from the following states:

TX = 5 CO = 2 AZ = 1

All of which are well known list members / testers. Thanks to all.

/joel wa1qvm wa1qvm@bbn.com (QTH: Concord, Massachusetts)

Date: Sun, 14 Dec 1997 06:03:49 -0500
From: "david's" <elim@ime.net>
To: <qrp-l@Lehigh.EDU>
Subject: [32733] Re: FS Bug
Message-ID: <007c01bd087f5f58a6b00\$3bc65ad1@default>
MIME-Version: 1.0
Content-Type: multipart/alternative;
 boundary="-----=_NextPart_000_0079_01BD0856.0BFBC160"

This is a multi-part message in MIME format.

-----=_NextPart_000_0079_01BD0856.0BFBC160
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Thanks to all who Replied , The bug has a new home.
73 Dave Kc1di

-----=_NextPart_000_0079_01BD0856.0BFBC160
Content-Type: text/html;
 charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

<!DOCTYPE HTML PUBLIC "-//W3C//DTD W3 HTML//EN">
<HTML>
<HEAD>

<META content=3Dtext/html; charset=3Diso-8859-1 =
http-equiv=3DContent-Type>
<META content=3D'"MSHTML 4.72.2106.6"' name=3DGENERATOR>
</HEAD>
<BODY bgcolor=3D#ffffff>
<DIV>Thanks to all who Replied , The bug =

Date: Sun, 14 Dec 1997 07:39:51 +0500
From: "John L. Sielke" <n4js@pobox.com>
To: <qrp-l@Lehigh.EDU>
Subject: [32735] GQ40 Pictures
Message-ID: <E0xhDKm-0001oD-00@admin.cyberenet.net>

I finally got some pictures of the HANDS GQ40 Transceiver up on my QRP page.
Also the 15M OHR100. See <http://www.qsl.net/n4js/qrp.html>.

John L. Sielke n4js@amsat.org n4js@pobox.com
n4js@n4js.ampr.org NJ Grid:FM29LN
<http://www.qsl.net/n4js>
NJ-QRP #57 QRP-L #884 QRP-ARCI #9328
NE-QRP #507 G-QRP #9544 CQC CQrp Norcal #1989 QCWA FISTS #2781

Date: Sun, 14 Dec 1997 08:53:30 -0500
From: n3fel@juno.com (Howard D Rubin)
To: qrp-l@Lehigh.EDU
Subject: [32736] 38s: TICK Keyer Parts
Message-ID: <19971214.085331.4358.0.n3fel@juno.com>

A few questions for the group:

1. Are the TICK keyer parts still available for the 38s?
2. What is the current website and email address for Embedded Research?
(I tried <http://www.vivanet.com/~gmldr> without success.)
3. Is there an upgrade for the \$5. TICK part that includes memory and is plug-in compatible with the intended part?

Thanks and regards,
Howard Rubin, N3FEL

Date: Sun, 14 Dec 1997 09:37:42 EST
From: K5BDZ <K5BDZ@aol.com>
To: johnc@geekopolis.com, qrp-1@Lehigh.EDU
Subject: [32737] Re: Rotatable Dipoles
Message-ID: <ec6e722.3493ef39@aol.com>
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

My experience with rotatable dipoles is that THEY ARE GREAT!

I've used the driven elements out of numerous commercial beams as a rotatable dipole on many occasions and had great luck. You can mount it high, on a single mast, and only need to rotate it 90 degrees to cover all directions. Go For It!
Bill, K5BDZ

P.S. BEWARE! there are those who liken a rotatable dipole to a DC receiver because it receives signals on both sides perpendicular to the antenna (180 degrees - figure 8 pattern) but you can live with that.....can't you?

Date: Sun, 14 Dec 1997 07:49:54 -0800
From: Vic Rosenthal <rakefet@rakefet.com>
To: K5BDZ@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [32738] Re: Rotatable Dipoles
Message-ID: <34940022.1C3F1F8A@rakefet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

K5BDZ wrote:

>

> My experience with rotatable dipoles is that THEY ARE GREAT!

I agree. A lot of people think a beam performs so much better than a dipole because of its gain. Obviously gain is part of the story, but also consider that a beam is on top of a tower at 50 or 60 feet instead of the usual dipole at 30'. After all, the 7 db gain of a 3 element beam over a dipole is about 1-1/2 s-units on most receivers. If I had a choice between a 4 element beam at 1/4 wavelength above ground or a dipole at 1 wavelength, I'd take the dipole!

Vic K2VCO

Date: Sun, 14 Dec 1997 12:22:19 est
From: wb8ygg@juno.com (Bradley S. Mitchell)
To: n3fel@juno.com
Cc: qrp-1@Lehigh.EDU
Subject: [32739] Re: 38s: TICK Keyer Parts
Message-ID: <19971214.122225.5199.0.wb8ygg@juno.com>

I'll try to answer these questions for the benefit of all on the list.

On Sun, 14 Dec 1997 08:53:30 -0500 n3fel@juno.com (Howard D Rubin)
writes:

>A few questions for the group:

>

>1. Are the TICK keyer parts still available for the 38s?

Actually Embedded Research never offered a 38S parts kit.. however the
parts kit for our basic keyer has many of the parts required, and some
have
ordered just the keyer parts kit for \$6.00.

>

>2. What is the current website and email address for Embedded
>Research? (I tried <http://www.vivanet.com/~gmldr> without success.)

>

Our ISP went belly up a month or so after we signed up for a year,.. :-(.

<http://www.frontiernet.net/~embres>
embres@frontiernet.net

is where you can find us.

>3. Is there an upgrade for the \$5. TICK part that includes memory and
>is plug-in compatible with the intended part?

>

Actually all 3 tick chips are compatible.
The TiCK-1, basic no memory,
The TiCK-2, with memory
The TiCK-2B with streamlined contest memory, and beacon mode.

>Thanks and regards,
>Howard Rubin, N3FEL

73

Brad WB8YGG & Gary N2JGU Embedded Research.

Date: Sun, 14 Dec 1997 09:27:55 +0000
From: Roger Hightower <n7kt@earthlink.net>
To: jmedley@ix.netcom.com, qrp-1@Lehigh.EDU
Subject: [32740] Snowshoe Run Log
Message-ID: <3493A69B.8F322A7B@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Station: N7KT
Exchange: RST AZ DM43 V 4W
Rig: OHR-400
Antenna: R-7 at ground level, hidden in trees because of CC&R's, :-)

Time	Call	RST	SPC	Grid	Ant	Pwr
0333	K10J	559	TX*	EL29*	V	5W
0340	N7VE	559	AZ*	DM43*	S	5W
0343	AB7MY	559	AZ	DM43	S	5W
0344	KI7MN	559	AZ	DM43	S	5W
0348	K0EVZ	589	MN*	IN34*	V	5W
0352	K5NZ	559	TX	EM20*	M	5W
0359	N2CQ	339	NJ*	FM29*	S	5W
0426	WA2G0	539	NY*	FN22*	S	5W
0432	K5NZ #2	559	TX	EM20	M	5W
0440	WD3P	339	MD*	FM18*	S	5W

* - multiplier

SPC's: TX, AZ, NM, NJ, NY, MD
Grids: EL29, DM43, IN34, EM20, FM29, FN22, FM18

$(9 \text{ QSO} \times 3=27) + (1 \text{ qso} \times 2) = 29 \times 6 \text{ spc} = 174 \times 7 \text{ GRIDS} = 1218 \text{ PTS}$

Got a late start, then couldn't hear anyone but OJ. QRM/QRN was pretty bad throughout. Lots of folks using wires with good signals. Most activity between 7038 - 7042, qrm'd by ragchewers and BC stations. This one was a real challenge, but lots of fun.

This deal of working a station more than once bit me....I forgot about it until late, then worked K5NZ for the second time. Could have had a better score by working all contacts again, :-)

Contests like this are what make QRP operation so much fun. We have

just as much activity as the QRO folks, but without the 24-48 hour pain.

72, de Roger, N7KT

Date: Sun, 14 Dec 1997 12:10:00 -0500
From: N4JS <n4js@pobox.com>
To: qrp-l@Lehigh.EDU
Subject: [32741] GAP verticals
Message-ID: <v03110702b0b9c29d01aa@[206.106.174.44]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I notice a lot of qrp-ers are also GAP vertical users. I am toying with the idea of mounting an Eagle, on the corner of my porch. Base would be about 15' high. Another weapon in the Fox hunting arsenal.

I'll welcome any comments of the GAP. Does it REALLY not need radials? I remember that claim for the old Gotham verticals (if you remember them, you ARE an old timer, too). It was, of course, bogus. Let me know.

 / _/_ _/_ _/_ _/_ _/_/_/_ John L. Sielke
n4js@pobox.com
 //_ _/_ _/_ _/_ _/_ _/_ n4js@qsl.net NJ
Grid:FM29LN
 / _/_ _/_ _/_/_/_ _/_ _/_/_ http://www.qsl.net/n4js
NJ-QRP #57
 / _/_/_ _/_ _/_ _/_ _/_ QRP-L #884 QRP-ARCI
ICQ# 3789653
 / _/_ _/_ _/_/_ _/_/_/_ QCWA CQrp CQC ARS
#243 FISTS #2781
 G-QRP #9544 Norcal #1989 ARQrp, AKQrp Formerly: K3HLU, W7JEF, W4MPC,
TF2WKT

Date: Sun, 14 Dec 1997 10:14:54 -0800
From: Blair Heinzlmeir <blairh@AGT.NET>
To: qrp-l@Lehigh.EDU
Subject: [32742] Intelligent Radio Transceiver
Message-ID: <3494221E.6643@agt.net>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

A few months back on the list there was a book review of " Build Your Own Intelligent Radio Transceiver" I have the book and was wondering if anybody on the list has started to build the rig. I have been thinking it over so any input would be helpful. What are the pit-falls, hard to find parts and so forth? I know that someone was working on a parts list did this ever get posted?
Thank you in advance.

73
Blair
VE6BJH
blairh@agt.net

Date: Sun, 14 Dec 1997 17:15:59 -0800
From: Ken LaRose <kenlar@csolve.net>
To: qrp-1@Lehigh.EDU
Subject: [32743] Re: Snow shoe Run
Message-ID: <349484CF.529@csolve.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Joel WA1QVM & Folks:

Didn't fare very well here also. Was late in getting home from a party last night, so missed the first hour. Propagation seemed to be focused on Colorado & Texas at that time.

Worked K5NZ, KF7MD, K0FRP, WB0JNR, W0HEP, N1FN, K0AV, AB0CD. Heard K10J & K5ZTY, but couldn't get them to notice me. Also, could hear others calling you, but you were invisible.

24 points x 2 SPCs x 3 grid squares = 144 TOTAL

Completely forgot about being able to work stations more than once, so could have improved on that. This sprint has alot of neat twists, making it very interesting to operate! Thanks to all involved.

73, de Ken VE3ELA

Date: Sun, 14 Dec 1997 09:54:43 -0800 (PST)
From: Stanley Wilson <microres@crl.com>
To: qrp-1@Lehigh.EDU
Subject: [32744] Output levels - volts peak to peak and dbm
Message-ID: <Pine.SUN.3.91.971214094632.8806A-100000@crl5.crl.com>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Various articles, authors, etc.. seem to mix dbm levels and voltage RF levels. I do not believe I have seen it done on audio. But often we see a VFO that has an output of 1 Vp-p and a mixer that requires -10 dbm drive.

I do believe that the dbm is always a 50 ohm load.

What is a simple rule of thumb or conversion formula ?

Or if I am using a balanced mixer that requires -10 dbm, what voltage do I really need from the Local Oscillator? How many volts RF peak to peak would I measure at 0 dbm level with a 50 ohm load ?

They say the only dumb question is the one you don't ask. :-)

thanks, Stan ak0b

Date: Sun, 14 Dec 1997 13:02:58 EST
From: dh1auten@juno.com (David H. Lauten)
To: QRP-L@Lehigh.EDU
Subject: [32745] Re: FOX N/T Monday
Message-ID: <19971214.130641.7879.0.DHLAUTEN@juno.com>

Dear Hunters,

On Monday 9:00-11:00 PM EST (Tuesday, December 16, 0200-0400 UTC) I will be the N/T Fox around 7140. My rig is a HW-9 at 5 watts fed into a 33 ft. ground mounted vertical with 24 radials.

I am looking forward to the HUNT.

72 de David, KF4HAW
Conway, SC (near Myrtle Beach)

Date: Sun, 14 Dec 1997 13:04:53 -0500
From: Derek Brown <DBrown@RFMD.com>
To: "'QRP-L'" <qrp-l@Lehigh.EDU>
Subject: [32746] Base for NorCal Paddle
Message-ID:
<c=US%a=%p=RF_Micro_Devices%l=PACHACUTEC-971214180453Z-4518@proxy1.rfmd.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Around the middle of the past month I sent in my original NorCal Paddle base along with a check to the San Luis Machine Co. in hopes of receiving a blue powder finished base - still no base. What type of lead time have others experienced? A private response would be appreciated.

I've got a full plate of activities (and 3 more Sierra modules to build) to carry me through the holiday season. Still...the post-holiday season is also ahead and I've seen lots of favorable comments here from those who have built and use the NorCal Paddles. I'll probably get flamed by those creative / eager souls who "rolled their own" bases, but, hey, I've still got some polishing / adjusting ahead....

Derek Brown, WF4I
Greensboro, NC
dbrown@rfmd.com

Date: Sun, 14 Dec 1997 13:09:28 -0500
From: Hal Maney <maney@ridgefield-ct.com>
To: qrp-l@Lehigh.EDU
Subject: [32747] Re: 38s: TICK Keyer Parts
Message-ID: <349420D8.7BEBEB5B@ridgefield-ct.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Howard D Rubin wrote:
>
> A few questions for the group:

>
> 1. Are the TICK keyer parts still available for the 38s?
>
> 2. What is the current website and email address for Embedded Research?
> (I tried <http://www.vivanet.com/~gmldr> without success.)
>
> 3. Is there an upgrade for the \$5 TICK part that includes memory and is
> plug-in compatible with the intended part?
>
> Thanks and regards,
> Howard Rubin, N3FEL

Check out <http://www.frontiernet.net/~embres/>.

--

Hal Maney, K1HM
maney@ridgefield-ct.com
203-431-9329

Date: Sun, 14 Dec 1997 10:44:48 -0800 (PST)
From: John Moriarity <k6qq@SOCAL.WANet.com>
To: qrp-1@Lehigh.EDU
Subject: [32748] "Matching"
Message-ID: <3.0.16.19971214091545.2f179662@SOCAL.WANet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Everyone (as he steps on his soapbox),

I've noticed a couple of posts lately that perpetuate the incorrect idea that the output network on a transmitter is designed to "match" the final transistor's output impedance to 50 ohms.

This is exactly backwards. The network (ignoring other considerations like harmonic filtering) is designed to transform the antenna impedance to a value that will allow the final transistor (or tube) to deliver the desired power to the antenna.

If you look in "Solid State Design...chapter 2 (Hayward/DeMaw)", or any of dozens of other references, you will find the equation:

$$R_{load} = (V_{cc} \cdot V_{cc}) / (2 \cdot P_{out}).$$

This equation defines the load resistance required, given the supply voltage

and the desired power. If you solve the equation for P_{out} , you will be able to see that for a 12 volt supply, and a 50 ohm load, the maximum power out will be 1.44 watts.

To get any higher output, you need to design a network to transform 50 ohms to a lower value. For 5 watts, $R_{load} = (12 \times 12) / (2 \times 5) = 14.4$ ohms! The output device can only swing from ground to twice the supply voltage, so you have to give it a load into which it delivers enough current to result in the desired power.

This is, of course, only a first approximation. It would take quite a bit more space to cover all the details, but I hope you get the idea.

72,

John, K6QQ

Date: Sun, 14 Dec 1997 14:20:14 -0500
From: Ed Tanton <n4xy@bellsouth.net>
To: microres@crl.com
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [32749] Re: Output levels - volts peak to peak and dbm
Message-ID: <3.0.1.32.19971214142014.00e57930@mail.atl.bellsouth.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I thought 'standard' dBm values for a was a 600 ohm load???????????

At 09:54 AM 12/14/97 -0800, Stanley Wilson wrote:

>Various articles, authors, etc.. seem to mix dbm levels and voltage RF
>levels. I do not believe I have seen it done on audio. But often we see
>a VFO that has an output of 1 Vp-p and a mixer that requires -10 dbm drive.

>

>I do believe that the dbm is always a 50 ohm load.

>

>What is a simple rule of thumb or conversion formula ?

>

>Or if I am using a balanced mixer that requires -10 dbm, what voltage do
>I really need from the Local Oscillator? How many volts RF peak to peak
>would I measure at 0 dbm level with a 50 ohm load ?

>

>They say the only dumb question is the one you don't ask. :-)

>

>thanks, Stan ak0b

>

>

>

>

>

>

73

Ed Tanton N4XY EMAIL: n4xy@bellsouth.net
189 Pioneer Trail
Marietta, GA 30068-3466 TEL: (770)579-3933 V/MBX/FAX

INTERESTS: QRP BoatAnchors Test Equipment Photography
CW: 99.9% Mercury Paddle # 0214 QRP to 150W: 95%

~~~~~  
"Think you can, think you can't: either way you're right!" Henry Ford  
~~~~~

Date: Sun, 14 Dec 1997 14:29:17 -0500
From: Ed Tanton <n4xy@bellsouth.net>
To: n4xy@bellsouth.net
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [32750] Re: Output levels - volts peak to peak and dbm
Message-ID: <3.0.1.32.19971214142917.00cdf470@mail.atl.bellsouth.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Let's try that again:

I thought 'standard' dBm values were for a 600 ohm load??????????

73

Ed Tanton N4XY EMAIL: n4xy@bellsouth.net
189 Pioneer Trail
Marietta, GA 30068-3466 TEL: (770)579-3933 V/MBX/FAX

~~~~~  
"Think you can, think you can't: either way you're right!" Henry Ford  
~~~~~

Date: Sun, 14 Dec 1997 13:40:35 -0600

From: "Owen 'OJ' Quarles" <k1oj@swbell.net>
To: K5GQ MARK <k5gq@juno.com>, K5NZ MIKE <k5nz@aol.com>, KQ5U Terry
<tkmyers@worldnet.att.net>, W5SB BILL <bdenton@tenet.edu>, qrp-1@Lehigh.EDU,
k5zty@juno.com
Subject: [32751] SNOSH0E RUN
Message-ID: <34943633.1DAC@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Howdy from Texas!

Well that was fun. A different twist or two for the exchange and rules.
Propagation was really strange. I did not work any VE stations or
Pacific NW. Only one CA in the log. I was using an OHR 400 and a
vertical antenna. The antenna was recieving QRN very well, about S6 most
of the time. I know I missed some Qs due to the noise. Thanks to the CQC
and their late night meeting that resulted in this sprint.
..OJ

SUMMARY:

K10J

559 TX EL29 V 5W

OHR400 5W BUTTERNUT VERTICAL GROUND MOUNTED WITH RADIALS

Qs = 67

Q Pts = 184

SPC = 22

GRIDS = 30

FINAL SCORE = 121,440

--

OWEN'OJ'QUARLES <k1oj@swbell.net>
HOUSTON, TEXAS QRP-L #732
ARCI #9492 AR QRP #64 CQC #476
CW OR CB, ITS YOUR CHOICE!

Date: Sun, 14 Dec 1997 15:06:37 -0500

From: "Wilford D. Lindsey" <70511.3041@compuserve.com>

To: "INTERNET:n4js@pobox.com" <n4js@pobox.com>, "Doc W.D. Lindsey/K0EVZ"
<70511.3041@compuserve.com>, QRP-L Discussion Group <QRP-L@Lehigh.EDU>

Subject: [32752] GAP verticals

Message-ID: <199712141508_MC2-2BDF-EF92@compuserve.com>

MIME-Version: 1.0

Content-Transfer-Encoding: 7bit

Content-Type: text/plain; charset=us-ascii

Content-Disposition: inline

John:

Go ahead and get one NOW! You will not regret it. I put up their Titan DX and it has made a world of difference to my operation.

Kept the TNT/2 Windom at 27'. Too low, but have worked over 70 countries with it. Wonder how it would be at 45 feet in the center. I put the GAP in the only place I actually could.

Unfortunately the GAP top section is only 3 feet away from one leg of the Windom. There clearly is some interaction, which I noted while installing the GAP. Took the windom completely down, etc. With it down, the GAP was almost dead flat SWR. With the Windom back up the GAP SWR went up to about 1.6:1 on 40. Not too bad, but I sometimes use a tuner such as during FOXhunts.

Even with the interaction, both antennas really smoke for me! :-) Gives me two all-banders. And yes...the Titan really doesn't need radials, as it is actually a vertical dipole. Some of their other antennas call for them, but not the Titan. If they claim it doesn't need radials, they mean it.

NOTE: Jim AL7FS has an 88k text file containing all sorts of feedback and construction hints/kinks. Well worth the reading. GAP personnel are also knowledgeable and helpful.

(BTW, usual disclaimers re both antenna companies, etc.)

Good luck and Happy Holidays.

72/73,

--Doc/K0EVZ qrp-l 861 norcal 2050 cqc 414 ARS 311 FISTS 3868 mn-qrp 19
nj-qrp 69 ak/qrp 139 AR QRP 73 ARCI 9398 ARRL QRP WAS 44/42
DXCC 73/44 <>< FOX Total 12/11/97 17 of 21. Was the FOX 11/25/97.

Icom 751A Omni V Corsair I Sierra Argo 515 Norcal 40a SW-40 49er
Mercury Paddles Emtech ZM-1 MFJ 259 MFJ 941D GAP TNT/2 Windom
SLV/W6MMA G5RV 599ZX Autek QF-1 RS DSP-40 **Grid Square EN34**

"Things should be as simple as possible, but no simpler"--A. Einstein

Date: Sun, 14 Dec 1997 13:33:04 -0700 (MST)
From: Paul Harden <pharden@aoc.nrao.edu>
To: "John L. Sielke" <n4js@pobox.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [32753] Re: GQ40 Pictures
Message-ID: <Pine.SOL.3.91.971214132306.685B-100000@zia>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sun, 14 Dec 1997, John L. Sielke wrote:

```
> I finally got some pictures of the HANDS GQ40 Transceiver up on my QRP page.  
> Also the 15M OHR100. See http://www.qsl.net/n4js/qrp.html.  
>  
> John L. Sielke n4js@amsat.org n4js@pobox.com  
> | \ | | | | _ | | / _ _ | n4js@n4js.ampr.org NJ Grid:FM29LN  
> | . ' | | _ _ | | | | \ _ _ \ http://www.qsl.net/n4js  
> | _ | \ _ | | _ | \ _ _ / | _ _ / NJ-QRP #57 QRP-L #884 QRP-ARCI #9328  
> NE-QRP #507 G-QRP #9544 CQC CQrp Norcal #1989 QCWA FISTS #2781
```

Just took my FIRST look at John's web page ... woah, really nice page.
Some nice photos of the shack, QRP portable stuff, etc. and photos of
just about every QRP kit known to man as built by John.

I built the Hands GQ20 and agree ... it is a great kit, great receiver,
good design ... but not for the beginner. Reserve one night just for the
toroids! And all the components where one lead is ground, must be bent
over and soldered to the board top ground plane. This is actually a
good grounding method, but takes FOREVER to get all the parts mounted.
It uses a Mini-Circuits mixer, almost like the SBL-1, and thus has great
dynamic range and the 6-pole IF filter really finishes it off. But it's
a rig that for some reason, you're really proud of when you're done, and
it is a "cute" busy board (for those who find that important). I got
mine over a year ago from Kanga U.S., and presummably Bill still has some.

But my hat is off to you John ... only a fellow builder can appreciate
the Hands GQ rigs. Looks like you did a great job on it.

72, Paul NA5N

Date: Sun, 14 Dec 1997 15:56:20 -0500
From: Craig LaBarge <LaBarge_C@compuserve.com>

To: QRP-L Mailing List <qrp-l@Lehigh.EDU>
Subject: [32754] Allen Wrench - NorCal Paddles
Message-ID: <199712141556_MC2-2BF2-B597@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain; charset=ISO-8859-1
Content-Disposition: inline

Finally getting around to building my NorCal paddles. One question... What size allen wrench fits the cap head screws that are used to mount the paddle arms? Figures... it's a size that I don't have. :-)

73, Craig WB3GCK

Date: Sun, 14 Dec 1997 15:59:00 EST
From: w4bws@juno.com (Donald E Sanders)
To: n4js@pobox.com
Cc: qrp-l@Lehigh.EDU
Subject: [32755] Re: Kite Antenna
Message-ID: <19971214.171435.9303.2.W4BWS@juno.com>

The kite antenna is alright as long as the wind is blowing in the direction you want to go, other wise you will have to tack a lot-guess in that case it can be called A TACKY ANTENNA.

Donald E. Sanders W4BWS
694 E. Eau Gallie Blvd. Satellite Beach, Fl 32937
407-779-0222 Fax 407-779-0830
E-mail to w4bws@juno.com
My favorite QRP rig glows in the dark

Date: Sun, 14 Dec 1997 14:04:39 -0600
From: "Marshall Emm" <mgemm@mtechnologies.com>
To: cqcllist@lists.csn.net, qrp-l@Lehigh.EDU
Cc: mge@mtechnologies.com
Subject: [32756] The Great Colorado Snowshoe Run
Message-ID: <199712142108.0AA16002@edison.chisp.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Well, the first annual GCSR is over, and what a blast it was.

Actually, I wanted to call it that (the first annual, that is) but the guys talked me out of it because a) it might not work and b) it ain't annual till at least the second one. So... next year we will most definitely hold the SECOND first annual GCSR.

It WAS fun, although the band conditions and the lengthy exchange were somewhat challenging. It seemed strange to have to actually COPY an exchange! And that S 5W or V 5W was real tough when readability was less than 5.

The Mush Puppies look like having been taught a lesson. No, make that two lessons:

1. Don't brag in advance.
2. Make sure that any "levelers" in the rules (e.g. antenna class) can somehow be applied to teams-- we had two Ss and two Vs, putting us at an apparent disadvantage against teams with Ms [g]..

My score (N1FN-- and please note I resisted the temptation to activate W0CQC and a dual log!)-- 40 QSOs (100 points), 9 SPCs, 15 Grids, total claimed score 13,500.

Don't forget you can check results at
<http://www.mtechnologies.com/cqc>

I hope everybody will send in their log, either via e-mail to jmedley@ix.netcom.com or snail mail to:

Colorado QRP Club

PO Box 371883

Denver CO 80237-1883

... NLT 30 days from yesterday.

Thanks to everybody who participated, and I hope we can do it again soon.

73

Marshall Emm

N1FN/VK5FN

n1fn@mtechnologies.com

Milestone Technologies

Software, kits, tools...

<http://www.mtechnologies.com/mthome>

(303)752-3382

--

Date: Sun, 14 Dec 1997 16:04:19 EST
From: w4bws@juno.com (Donald E Sanders)
To: 70511.3041@compuserve.com
Cc: qrp-1@Lehigh.EDU
Subject: [32757] Re: GAP verticals
Message-ID: <19971214.171928.9303.4.W4BWS@juno.com>

GAP Antennas has a web page also with technical information on their antennas.

Type GAP ANTENNAS on your browser.

Donald E. Sanders W4BWS

694 E. Eau Gallie Blvd. Satellite Beach, Fl 32937

407-779-0222 Fax 407-779-0830

E-mail to w4bws@juno.com

My favorite QRP rig glows in the dark

Date: Sun, 14 Dec 1997 16:34:40 +0100
From: jmori@labyrinth.net (joyce mori)
To: qrp-1@Lehigh.EDU
Subject: [32758] Brass Racer, Vibrokeyer 4 sale
Message-ID: <v01540b00b0b9abae5f0e@[205.161.179.22]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hello to all:

The brass racer I had posted earlier is still for sale. This paddle/keyer is as new and has only been used a few times. \$60 shipped.

I also still have the Vibroplex "Vibrokeyer"paddle. There were many questions about this paddle. It has a gray painted base, looks and works just like a bug but obviously has no weights, etc. This paddle is a few years old, has been used little and is in excellent condition. \$60.

John
N8TA

Date: Sun, 14 Dec 1997 13:33:39 -0900
From: "Jim, Nancy, Juliann, Issei" <larsennnc@alaska.net>
To: qrp-1@Lehigh.EDU
Subject: [32759] No Shoe Non Run de AL7FS
Message-ID: <34945EC3.36F9@alaska.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

No signals on 40 meters from my QTH during the contest. My zero beats your eight contacts, Joel...for last place. In Iditarod vocabulary, I won the Red Lantern award.

--

73, Jim, AL7FS

--

Jim Larsen, ex-WA0LPK
Acupressure Anchorage
ECKANKAR
Vision Recumbent
Anchorage, Alaska

Date: Sun, 14 Dec 1997 15:11:17 -0800
From: Steve Miller <kg7pv@teleport.com>
To: qrp-1@Lehigh.EDU
Subject: [32760] RE: Allen Wrench - NorCal Paddles
Message-ID: <3.0.5.32.19971214151117.007a7100@mail.teleport.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Craig,

I used a 7/64 allen wrench for the paddle arm mounting screws. The screws in the contact post assembly are 3/32. The set screws that mount to the ends of the paddle arm and center block are either 5/64 or 1/16 but I did not want to disassemble the paddle to check, sorry. All these sizes are on one allen wrench set from Stanley no. 69-216. Look in your local hardware store or home center. 73

Steve Miller kg7pv @ teleport.com Portland, OR
(CN-85) Norcal #308 QRP-L #109 ARCI # 9230

Date: Sun, 14 Dec 1997 19:33:43 -0500 (EST)
From: Chris Cartwright <ccart@dns.vidtel.com>
To: QRP Reflector <qrp-l@Lehigh.EDU>
Subject: [32761] Re: I'm back! Alive! Most parts working...
Message-ID: <Pine.LNX.3.93.971214192907.1120C-100000@dns.vidtel.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sat, 13 Dec 1997, JOEL DENISON wrote:

> FYI--I implanted a 100 miliwatt 40 meter beacon on 7.0333 next to my
> surgeon's pacemaker. Signal reports are welcome. Beacon sending out qrp
> billing every three minutes or until his pacemaker fails.

Welcome back! but what we really want to know, is that an NMO, 3/8-24,
or ball mount under yer hat <wink>.

-- Chris Cartwright, Technical Engineer | ccart@vidtel.com --
-- N3XRV ARRL-VE QRP WAS 27/10(w/c) | <http://dns.vidtel.com/~ccart> --
-- QRP-L #655 NORCAL #1891 QRP-ARCI #???? NJ-QRP #105 LIQRP #???? --

Date: Sun, 14 Dec 1997 19:52:20 -0500 (EST)
From: Chris Cartwright <ccart@dns.vidtel.com>
To: QRP Reflector <qrp-l@Lehigh.EDU>
Subject: [32762] SST problem
Message-ID: <Pine.LNX.3.93.971214193843.1120H-100000@dns.vidtel.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Just wondering what the most common parts for failure are on an SST that
had been hooked up to a 7AH gel cell backwards. I'm asking for a friend,
really, yeah that's it... I... err... He knows the RFC in the final is
burnt open, the zener and final don't look to healthy, but there is also
no RX. The KC1 seem to function, but is confused, and audio from the SST
(from the KC1) is very weak.

I've told him he should put a fuse and diode in the power jack. I'll make
sure he does when *I* "help" him fix it. 72 es tn timer

All kidding aside, I did smoke it, and have and unbuilt 40M SST so I have "spares" of almost everthing. If no one have been through this before I'll post the casualty list when I get it back together, and it will have a fuse and diode this time :) I would like to get the list down to individual parts instead of "shotgunning" it to get it going. I have the schematic out now... making a list and checking it twice.

-- Chris Cartwright, Technical Engineer | ccart@vidtel.com --
-- N3XRV ARRL-VE QRP WAS 27/10(w/c) | http://dns.vidtel.com/~ccart --
-- QRP-L #655 NORCAL #1891 QRP-ARCI #???? NJ-QRP #105 LIQRP #???? --

Date: Sun, 14 Dec 1997 18:51:14 -0500
From: "Watson R Gabriel Jr" <wgabriel@duke-energy.com>
To: mjmullins@dow.com
Cc: qrp-l@Lehigh.EDU
Subject: [32763] Re: NW8020 circuit mod to improve VFO stability
Message-ID: <8525656D.00827E3A.00@dpcmail.dukepower.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII

Mike, I don't have my schematic handy for my Emtech NW40 (Roy's commercial, updated version), but if I remember correctly some of these caps had to do with setting the VFO range for the different bands. I'd have to look to be sure. I can't remember what type of caps Roy provided in his kit without pulling the cover off my NW40, but I can say that I did NOT have the drift problem you mentioned. Suspect it comes from the caps provided for yours. If your subs got you on the freq you need to be on and solved the drift problem, you fixed it.

Sometimes on things like VFOs, designers will use various combos of caps to get both the total capacitance needed for the circuit as well as the temp compensation needed to minimize drift.

Hope this helps. Watson/WB4EXW

mjmullins@dow.com on 12/13/97 10:47:27 AM

Please respond to mjmullins@dow.com

To: qrp-1@Lehigh.EDU
cc: (bcc: Watson R Gabriel Jr/Gen/DukePower)
Subject: NW8020 circuit mod to improve VFO stability

I just finished an NW8020 kit for 40 meters (from Dan's Small Parts) and was having problems with drift - about 1 KHz per minute initially, and settling down to 50-100 Hz/min after 10 minutes. I noticed that there is an odd network of three ceramic capacitors (C41, C37, C42) in the VFO which have an effective capacitance of 330 pF. I replaced all three with a single silver-mica capacitor, and the stability is now excellent: -35 Hz in the first minute, and less than +/-10 Hz/min afterwards. This was measured with an open case, and the furnace turning on and off.

Does anyone have any idea of why the original circuit used a capacitor network? Also, does anyone have a reference to a description of the circuit? Thanks in advance.

Mike Mullins KD5CMN

End of QRP-L Digest 939

